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NSLS-II Workshop Lights Brookhaven National Lab

Contact: Laura Mgrdichian (mgrdichian@bnl.gov)

On March 15, 2004, approximately four hundred registered attendees participated in the NSLS-II Workshop at Brookhaven National Laboratory to support the proposed facility, a world-leading synchrotron light source that will facilitate cutting-edge research in the biological, material, chemical, environmental, and physical sciences. Speakers at the NSLS-II Workshop included 2003 Nobel Prize winner and NSLS user Rod MacKinnon, and NY Congressman and Chair of the House Committee on Science Sherwood Boehlert. For details, see:

www.nsls2.bnl.gov/newsroom/news/2004/03-nsls2workshop.htm

Science Highlight: NSLS Research Featured on the Cover of Nature

Contact: Tom Rapoport (Tom_Rapoport@hms.harvard.edu)

An NSLS user group, headed by Tom Rapoport from Harvard University, has determined the structure of a tiny "gateway" protein on the surface of cells that allows other proteins to exit the cell. This structure, is a significant scientific achievement that may provide insight into the complex mechanisms of several essential cellular functions. The structure is described in the January 1, 2004 issue of Nature. For more details on their work, see:

www.nsls.bnl.gov/newsroom/science/2004/02-Rapoport.htm

BNL and NSLS Expect \$30 Million to Support Life Sciences

Contact: Bob Sweet (sweet@bnl.gov)

The Biology Department at Brookhaven National Laboratory recently announced that it expects to receive more than \$30 million over the next five years, which will renew financing to support structural biological research, including studies of disease and genomics. The funding, administered by the Office of Biological and Environmental Research within DOE's Office of Science and by the National Center for Research Resources within the National Institutes of Health, will support a group of six beamlines at the NSLS. For more, see:

<http://www.nsls.bnl.gov/newsroom/news/2004/03-Sweet.htm>

The DUV-FEL Workshop: Scientists Probe the Future of Free Electron Laser Physics

Contact: Xijie Wang (wangx@bnl.gov)

The Deep Ultra Violet Free Electron Laser (DUV-FEL), a laser linac facility at Brookhaven National Laboratory, is the world's only facility dedicated to laser-seeded FEL research and development (R&D) and its applications. To explore opportunities for future experiments on free electron laser and beam physics at the DUV-FEL, a DUV-FEL Beam Physics and FEL Research and Development Workshop was held on February 19-20, 2004, at BNL. To learn about the DUV-FEL and the workshop, see:

<http://www.nsls.bnl.gov/newsroom/news/2004/03-Wang.htm>

User Letter Supporting Synchrotron Facilities Published by the American Chemical Society

In a letter to the editor of Chemical and Engineering News, the American Chemical Society's weekly news magazine, NSLS user and past UEC Chair Simon Bare emphasized the importance of U.S. funding for synchrotron research. Bare's letter, published February 16th, provided a dramatic comparison between the cost of the International Space Station (ISS) and synchrotron facilities, demonstrating that "the US taxpayer is getting a fantastic bargain with the beam lines at the US synchrotron radiation facilities." For the complete letter, see:

pubs.acs.org/email/cen/html/022304093530.html#Anchor-43793

Register online for the 2004 NSLS Users' Meeting: May 17-20, 2004

Contact: Larry Shapiro (shapiro@convex.hhmi.columbia.edu)

This year's Users' Meeting will be held May 17-20. The coming year at the NSLS promises to be exciting, particularly now that we can look forward in earnest to the likely upgrade to NSLS-II. This will have a transforming effect on our community for years to come, and we hope that this year's annual Users' Meeting will provide an early forum for contemplating these changes. More than ever, it's vitally important to both the NSLS and the user community that turnout for these meetings be high.

We have planned an extraordinary set of high caliber workshops this year and also have some very exciting scientific presentations

scheduled for the Main Meeting on Tuesday. Speakers include John Hill from BNL, Simon Billinge from Michigan State University, Lois Pollack from Cornell, Chris Jacobsen from Stony Brook, Mark Croft from Rutgers, and Yvonne Akpalu from RPI, among others.

We know that it can be economically difficult at times to come to these meetings and we're very sensitive to that. To make this easier, registration fees remain the same as last year, resulting in a great opportunity for all. For students and post-docs, \$75 will give them access to the meeting and unlimited workshops, or \$25 if they just want to attend the Main Meeting on Tuesday. It's only \$20 more to attend the Banquet. Professionals are charged \$150 for one workshop, or \$225 for the meeting plus all workshops. To attend just the main meeting on Tuesday, the cost is only \$50 (and that includes lunch sponsored by our vendor community). The Banquet is an additional \$40. Remember that registration must be submitted and payment in full must be received no later than April 30 to avoid a late fee.

For further information and online registration, go to:

<http://www.nsls.bnl.gov/users/meeting>

Nominations open for UEC Special Interest Group (SpIG) Representatives until April 16, 2004

Contact: Tony Lanzirotti (lanzirotti@bnl.gov)

The Users' Executive Committee (UEC) has established an award to acknowledge an individual from the NSLS user community in recognition of his/her service, innovation, and/or dedication to NSLS users. This is not an award for scientific achievement, but rather for contributions that have improved the quality of science at the NSLS. The award will be presented at the Annual NSLS Users' Meeting on May 20, 2003. Any member of the NSLS user community with an active appointment is eligible for receipt of this award, excluding current UEC/SPIG members. The award winner will receive a

\$250 cash award. In addition, a UEC Award plaque will be on display in the NSLS lobby and will be engraved with the name of each year's winner.

Nominations will be accepted through a web-based application form online until April 16, 2004. The Award winner will be chosen by the UEC. In order to participate in the nomination process, you must be a NSLS user with an active appointment. To submit a nomination, please complete the form at:

<http://www.nslsuec.org/elections/spig-nom.asp>

Job Opportunities at the NSLS

A number of scientific and technical job opportunities are available now at the NSLS. See the NSLS web site for details:

<http://www.nsls.bnl.gov/organization/Admin/jobs.htm>

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The current and past issues of the NSLS e-News are available on the web at:

<http://www.nsls.bnl.gov/newsroom/publications/enews/>

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